

Abstract of the Disclosure

Roller Switch

The disclosed roller switch has a roller, a flag arm, and a photoelectric detector. The roller is connected to the flag arm and vertical movement of the roller causes the flag arm to move. The movement of the flag arm causes the photoelectric detector to send a signal. The signal may be used to measure the length of a material passing under the roller. The inventive roller switch has a pair of flag arms, and the roller is mounted on a shaft extending between the pair of flag arms. By providing a pair of flag arms connected by the roller, the roller switch is more robust and durable. The roller switch is also capable of pivoting across a conveyor belt.